



SR 135 at Altamaha River Bridge Replacement Design-Build Industry Forum

December 6, 2018

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Ron Nelson, DB Project Manager



Disclaimer Statement

At this meeting, the Department is providing information about the project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

Participants are encouraged to ask questions during this meeting; **however, any information provided by the Department is considered informational only and subject to change.**

Agenda

- **Design-Build Overview**
- **Schedule**
- **Project Overview**
- **Design-Build Procurement**
- **Open Discussion**

Design-Build Overview

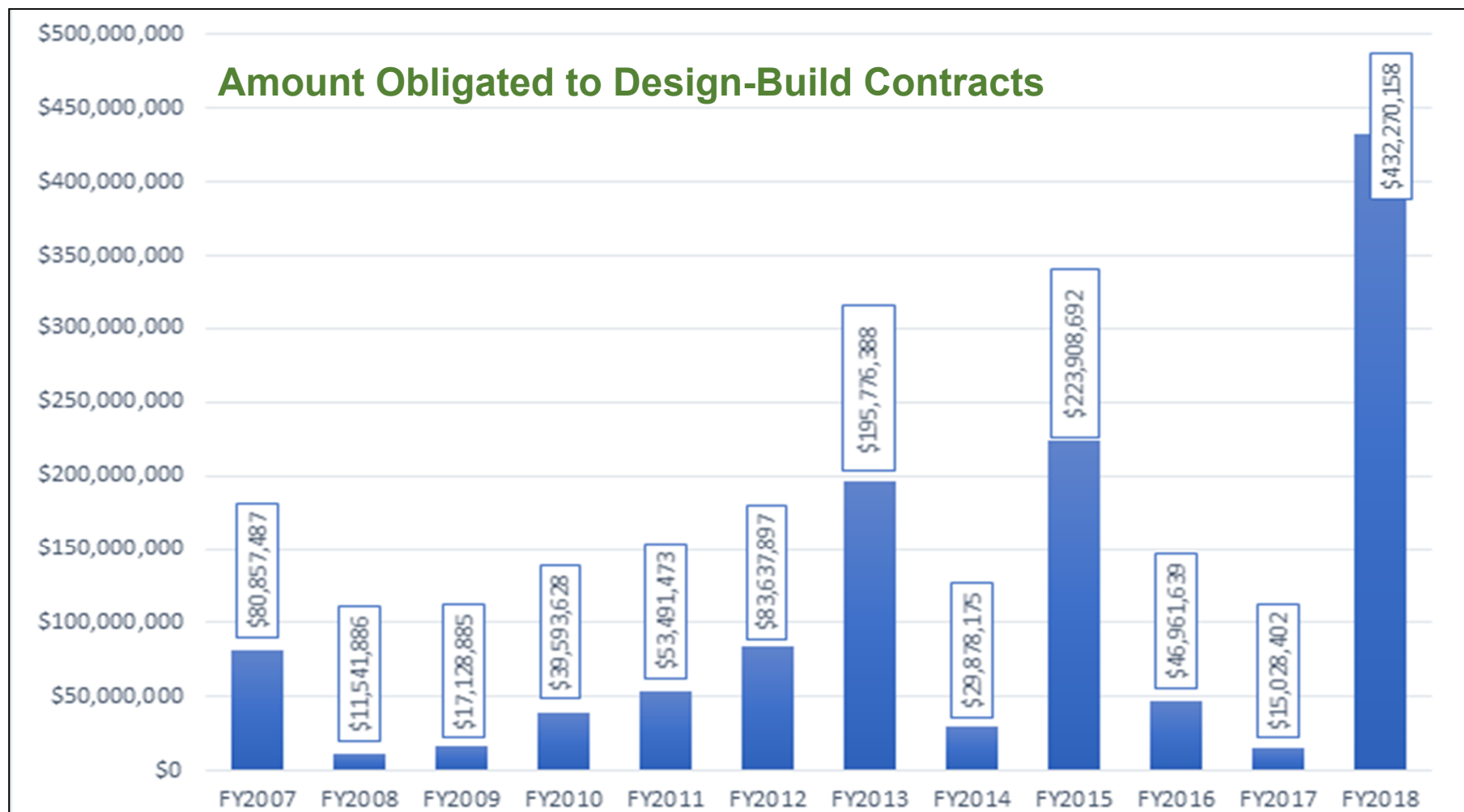
Design-Build

- Combines preconstruction related services with construction services into **one contract.**
- Allows the contractor to participate in the project's design in an effort to **improve communications, expedite project delivery, and reduce costs.**

Governed by:

- 23 Code of Federal Regulations (CFR) Part 636
- Georgia Code Section 32-2-81 (*Enacted 2004*)
- Board Rules, Chapter 672-18 (*Adopted 2006 & 2013*)

Innovative Delivery



Upcoming Design-Build Opportunities

Project	PI Number	County	Anticipated Selection Method	Letting
SR 135 @ Altamaha River - TIA	0007037	Jeff Davis Montgomery	Two Phase Low Bid	5/17/2019
SR 247/ Pio Nono & College St bridges over Norfolk Southern Railroad	0014895	Bibb	Best Value	7/12/2019
	0014899			
SR 53 WB @ Chattahoochee River	0010212	Hall	Two Phase Low Bid	7/19/2019
SR 25 at Savannah River (Houlihan Bridge) and SR 25 at Middle River	0013741	Chatham	TBD	Anticipated FY 2020
	0013742			
I-16 @ SR 307 Diverging Diamond Interchange	0013727	Chatham	TBD	TBD
I-985 From I-85/Gwinnett to SR 53/Hall	0014130	Gwinnett Hall	TBD	TBD
I-85 Widening SR 211 to SR 11/US 129	0013545	Barrow Jackson	Best Value	Summer 2024

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

DB Procurement Documents Updates

RFQ

- Updated for clarity
- Pass/Fail requirements remain

RFP

- Updated for clarity, consistency & continuous improvement
- Design-Build Contract Template Published Online
- Combining Volumes 2 & 3 into single volume
- Updating Design-Build Manual Attachments

Tentative Schedule

a. GDOT issues Public Notice Advertisement (PNA)	11/02/2018	-----
b. Industry Forum – GDOT Room 402-404	12/06/2018	10:00 A.M.
c. Industry one-on-one meetings – GDOT Room 408/409	12/06/2018	12:00 P.M. - 2:00 P.M.
d. GDOT issues Request for Qualifications (RFQ)	12/14/2019	-----
e. Deadline for Statement of Qualifications (SOQ)	01/31/2019	11:00 A.M.
f. GDOT issues the Notice to Finalists	02/22/2019	-----
g. GDOT issues Request for Proposal (RFP) to the Finalists	03/11/2019	-----
h. Receipt of Technical Proposals and Price Proposals from Finalists	05/10/2019	11:00 A.M.
i. GDOT letting	05/17/2019	11:00 A.M.



SR 135 at Altamaha River Project Specifics

December 6, 2018

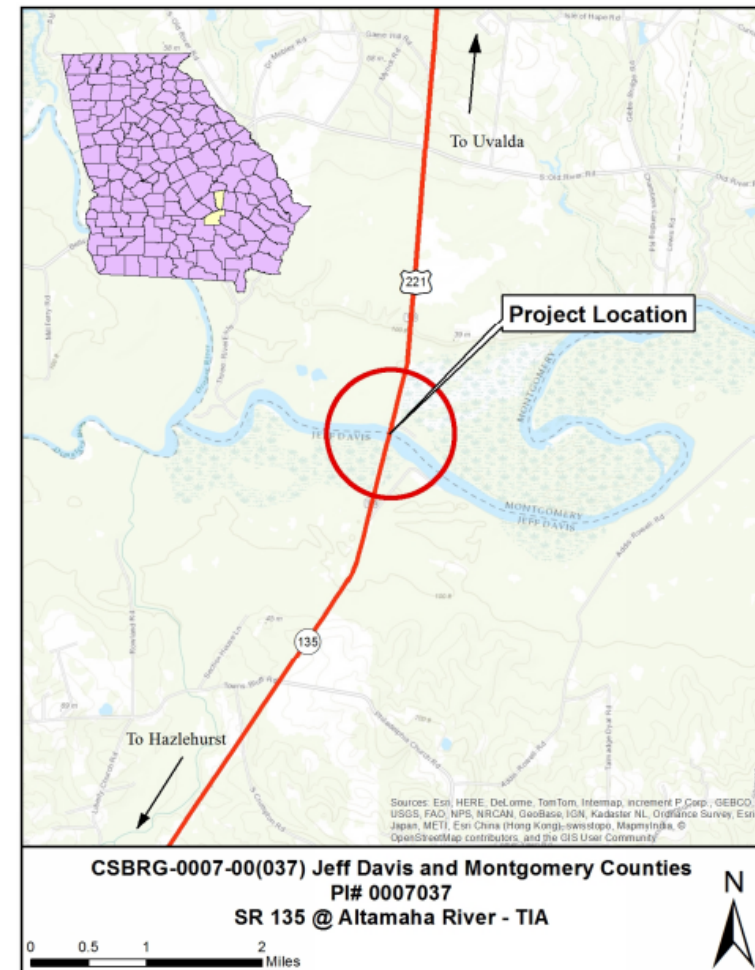
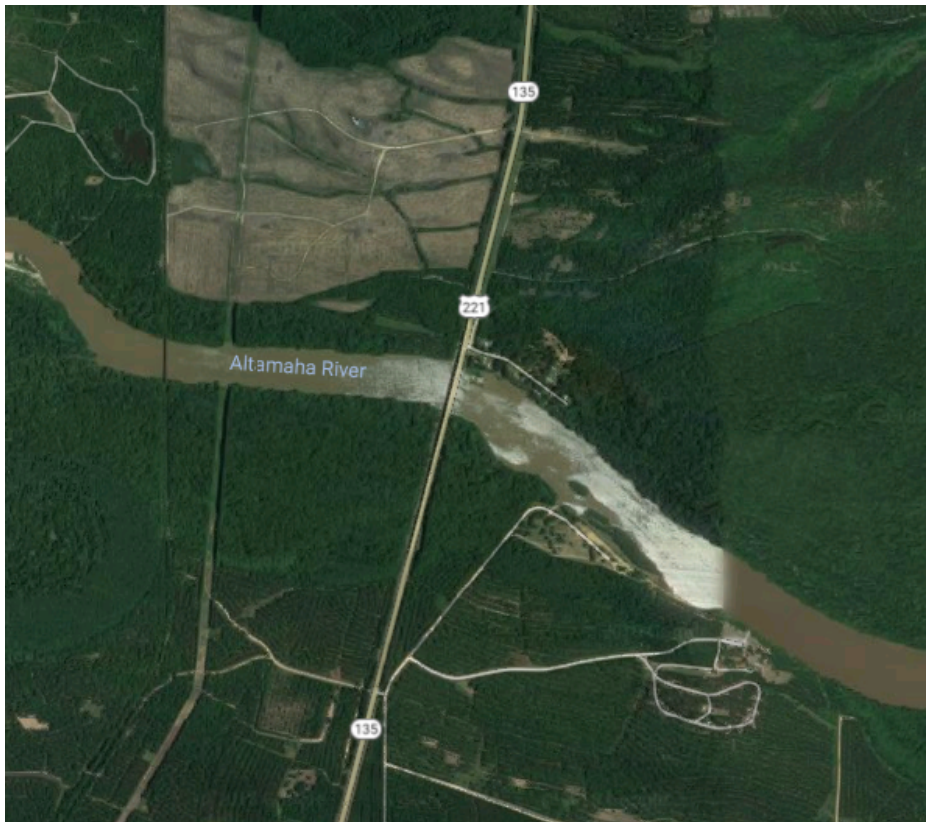
Ron Nelson, DB Project Manager

Project Overview

- Design-Build Delivery (2-phase Low Bid)
- Federally & TIA funded
- Replacement of the SR 135 bridge over Altamaha River
- Total project length is approximately 1 mile
- Maintain existing traffic during construction
- Construction is within existing or GDOT-obtained Right-of-Way



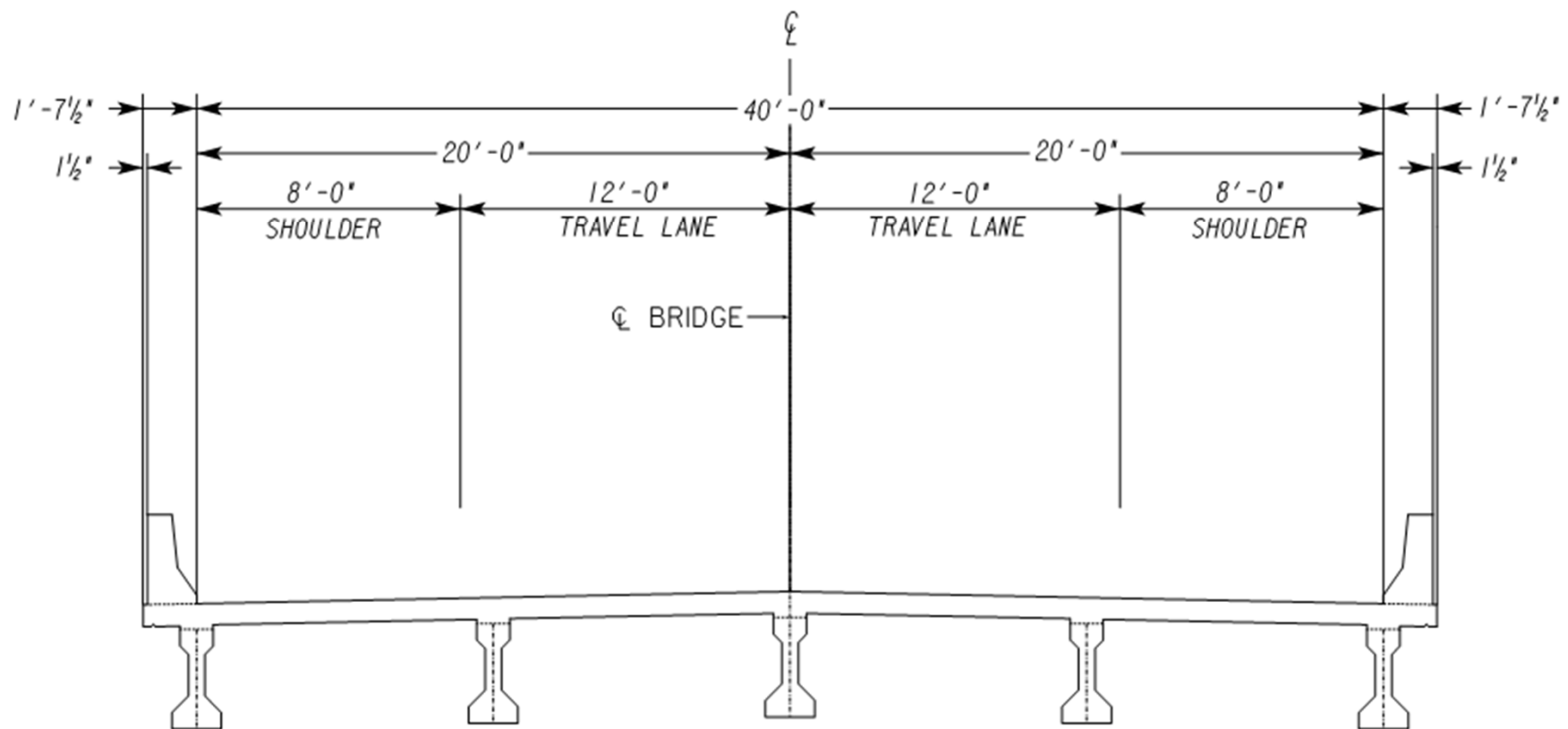
SR 135 at Altamaha River Project Location



Bridge Proposed and Replaced

	SR 135 Bridge (Proposed)	SR 135 Bridge (Existing)
Year Constructed	N/A	1952
Sufficiency Rating	N/A	20.2
Span Lengths	14-114', 3-148', 6-100'	Varies
Number of Spans	23	41
Structure Length	2,640'	2,573'
Number of Lanes	2	2
Lane Width	12'	12'
Shoulder Width	8'	1'
Alignment shift (Proposed and Replaced Bridges)	28'	N/A

Proposed Bridge Typical Section



Anticipated Area Classes for Lead Design Consultant

3.01	Two-Lane or Multi-lane Rural Roadway Design
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- OR -

4.01(a) or 4.01(b)	Minor Bridge Design or Minor Bridge Design - CONDITIONAL
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Anticipated Area Classes for DB Team Members

1.06(a)	NEPA
1.06(b)	History
1.06(c)	Air Quality
1.06(d)	Noise
1.06(e)	Ecology
1.06(f)	Archaeology
1.06(g)	Freshwater Aquatic Surveys
1.07	Attitude, Opinion, and Community Value Studies (Public Involvement)
1.10	Traffic Analysis
3.01	Two-Lane or Multi-Lane Rural Roadway Design
3.10	Utility Coordination
3.12	Hydraulic and Hydrological Studies (Roadway)
4.01(a) or 4.01(b)	Minor Bridge Design or Minor Bridge Design - CONDITIONAL
4.04	Hydraulic and Hydrological Studies (Bridges)
5.01	Land Surveying
5.02	Engineering Surveying
5.03	Geodetic Surveying
5.08	Overhead/Subsurface Utility Engineering (SUE)
6.01(a)	Soil Survey Studies
6.01(b)	Geological and Geophysical Studies
6.02	Bridge Foundation Studies
6.03	Hydraulic and Hydrological Studies (Soils and Foundation)
9.01	Erosion, Sedimentation, and Pollution Control Plan
9.03	Field Inspections for Erosion Control

Risks and Mitigation Strategies

Risk	Mitigations for RFP
Geotechnical	<ul style="list-style-type: none">• Provide existing BFI, Soil Survey, and Geotechnical boring logs/samples
Survey Database	<ul style="list-style-type: none">• Provide Survey database
Environmental	<ul style="list-style-type: none">• Environmental-related scope items and anticipated review/approval durations• Anticipated in-water work durations• Coordination with the USACE and DNR
Design Exception/ Design Variance	<ul style="list-style-type: none">• Approved known instances of DE/DV

Risks and Mitigation Strategies

Risk	Mitigations for RFP
Hydraulics	<ul style="list-style-type: none">• Perform hydraulics screening• H&H Technical memo
Local Outreach	<ul style="list-style-type: none">• Early and ongoing coordination with stakeholders
Cost Estimate	<ul style="list-style-type: none">• Continue to monitor industry trends
Overall Contract Duration	<ul style="list-style-type: none">• Establish reasonable durations per contract in order to complete all of the Work
Utilities	<ul style="list-style-type: none">• SUE QL-D• Early coordination with utility owners• Executed MOUs

Environmental Concerns

- **In-water work restrictions due to presence of endangered species**
 - Coordination with USFWS and NMFS
 - Presence of sturgeon & spiny mussel
 - In-water work will have strict seasonal restrictions; final limitations will be shown in RFP
 - Currently anticipated in-water work will be allowed mid-Dec to mid-Jan and from July 1 to mid-August for installation of cofferdams
- **Existing SR 135 bridge is an eligible historic resource**
 - Installation of decorative plaque(s)
- **Potential impacts to Georgia DNR boat ramp**

Design-Build Team Roles and Responsibilities

- **Bridge and Roadway design**
- **Schedule development/management**
- **Geotechnical reports**
- **Stream buffer variance application (if needed)**
- **Permit and mitigation costs**
- **Maintain traffic, traffic control, and construction signage**
- **Utility coordination and relocation (if needed)**
- **Complete project within a defined timeline**

GDOT

Roles and Responsibilities

- **Submittal review**
- **Environmental Special Studies/NEPA preparation and approval**
- **Construction Oversight/CEI**
 - Material Testing will be provided by OMAT
 - CEI performed by OID/MAAI

Anticipated Procurement Process

Two Phase Low Bid

Phase I - Request for Qualifications (RFQ)

- Georgia Procurement Registry (GPR)
- Restriction on communications
- All Qualified Proposers meeting the Pass/Fail requirements advance to Phase II

Phase II - Request for Proposals (RFP)

- GDOT DB SharePoint Site
- Administrative, Technical and Price Proposals
- GDOT awards to the lowest responsive bid

Required Information – RFQ Phase (1/3)

- Organization chart
- Lead Contractor/Lead Design Consultant basic company information
- Lead Contractor Certificate of Qualifications
- Matrix listing GDOT Prequalified Area Classes
 - Include prequalification Notice of Professional Consultant Qualifications

Required Information – RFQ Phase (2/3)

- Exhibit I
 - Certification Form for Lead Design Consultant
- Exhibit II
 - GA Security and Immigration Compliance Act Affidavit for Lead Contractor
- Exhibit II
 - GA Security and Immigration Compliance Act Affidavit for Lead Design Consultant
- Statement(s) regarding removal / failure to complete an assigned contract
- Statements of Disclosure (Conflict of Interest)
- Signed Amendment(s) acknowledgement

Required Information – RFQ Phase (3/3)

- Key Personnel experience and qualifications (resume)
 - ten (10) years industry experience for each Key Personnel position and should include at least three (3) years of experience in the same or similar role for projects of similar size and complexity
 - relevant experience in the applicable proposed role for projects of similar complexity, size, scope, delivery method and function
- Lead Contractor experience and qualifications
 - at least three (3) construction projects delivered using Design-Build and/or conventional Design-Bid-Build contracting which demonstrate the Lead Contractor's qualifications
- Lead Design Consultant experience and qualifications
 - at least three (3) design projects delivered using Design-Build and/or conventional Design-Bid-Build contracting that demonstrate the Lead Design Consultant's qualifications

Anticipated Procurement Process

Phase II - Request for Proposals (RFP)

- March 11, 2019 – **Issue RFP**
 - Posted on GDOT DB SharePoint site
 - Includes Reference Information Documents (RIDs)
 - Submit questions to OIC Contracting Officer
- **Administrative, Technical and Price Proposals**
 - Due to GDOT by May 10, 2019
 - Price Proposal in separate package
 - GDOT evaluates Administrative and Technical Proposals on a Pass/Fail basis
 - Price Proposals opened on May 17, 2019

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Questions?

During project procurement, all proposer questions shall be submitted to the Department via email:

135atAltamaha@dot.ga.gov

References:

GDOT Design-Build Webpage

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

GDOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>